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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/778,010	02/11/2004	Kannan Srinivasan	33568/US/DJB	3326		
32940	7590 11/21/2005		EXAM	EXAMINER		
DORSEY &	WHITNEY LLP	THERKORN	THERKORN, ERNEST G			
555 CALIFOR SUITE 1000	RNIA STREET, SUITE 1000	ART UNIT	PAPER NUMBER			
SAN FRANCISCO, CA 94104			1723	1723		
			DATE MAILED: 11/21/2005			

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.		Applicant(s)				
Office Action Summary		10/778,010		SRINIVASAN ET AL.				
		Examiner		Art Unit				
		Ernest G. Therko		1723				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status								
1)⊠	Responsive to communication(s) filed on 28	October 2005.						
· <u> </u>		is action is non-fina	al.					
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition	on of Claims							
4) Claim(s) <u>1-16</u> is/are pending in the application.								
4a) Of the above claim(s) <u>7-9 and 11-16</u> is/are withdrawn from consideration.								
5) Claim(s) is/are allowed.								
6)⊠ Claim(s) <u>1-6 and 10</u> is/are rejected.								
7)	7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/or election requirement.								
Application	on Papers							
9)[] 7	The specification is objected to by the Examir	ner.						
10) 🔲 🗆	Γhe drawing(s) filed on is/are: a)□ ac	cepted or b) obj	ected to by the E	xaminer.				
	Applicant may not request that any objection to the	e drawing(s) be held	in abeyance. See	37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority u	nder 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:								
1. Certified copies of the priority documents have been received.								
2. Certified copies of the priority documents have been received in Application No								
3. Copies of the certified copies of the priority documents have been received in this National Stage								
application from the International Bureau (PCT Rule 17.2(a)).								
* See the attached detailed Office action for a list of the certified copies not received.								
Attachment	(s)							
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)								
	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08		Paper No(s)/Mail Dat Notice of Informal Pa	e tent Application (PTO-1	52)			
Paper No(s)/Mail Date 6) Other:								

Application/Control Number: 10/778,010

Art Unit: 1723

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-6 and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sherrington (U.S. Patent No. 5,066,784) in view of Barretto (U.S. Patent No. 5,532,279). At best, the claims differ from Sherrington (U.S. Patent No. 5,066,784) in reciting use of polymeric layering particles. Barretto (U.S. Patent No. 5,532,279) (column 4, lines 31-38) discloses that use of multiple layers of layering particles allows more control over the column capacity and improved column capacity. It would have been obvious to use polymeric layering particles in Sherrington (U.S. Patent No. 5,066,784) because Barretto (U.S. Patent No. 5,532,279) (column 4, lines 31-38) discloses that use of multiple layers of layering particles allows more control over the column capacity and improved column capacity.

Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Sherrington (U.S. Patent No. 5,066,784) in view of Barretto (U.S. Patent No. 5,532,279) as applied to claims 1-6 and 10 above, and further in view of Pohl (U.S. Patent No. 4,376,047). At best, the claim differs from Sherrington (U.S. Patent No. 5,066,784) in view of Barretto (U.S. Patent No. 5,532,279) in reciting binding by adsorption. Pohl (U.S. Patent No. 4,376,047) (column 1, lines 46-53) binding by adsorption allows for attachment as a monolayer. It would have been obvious to bind by adsorption in Sherrington (U.S. Patent No. 5,066,784) in view of Barretto (U.S. Patent No. 5,532,279)

because Pohl (U.S. Patent No. 4,376,047) (column 1, lines 46-53) binding by adsorption allows for attachment as a monolayer.

The restriction requirement has been reconsidered, deemed proper, and made final for the reasons of record.

Any inquiry concerning this communication should be directed to E. Therkorn at telephone number (571) 272-1149. The official fax number is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

> **Ernest G. Therkorn Primary Examiner** Art Unit 1723

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